OBLON, SPIVAK, et al Docket No: 245449US2 Inventor: Trygve Frederik MARTON, et al. Serial No: 10/724,043 Reply to OA dated: 10/11/05 Replacement Sheet



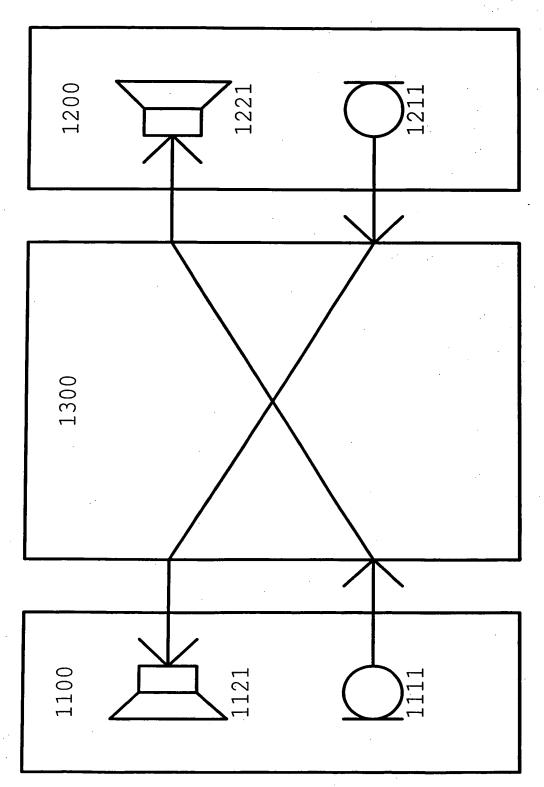


FIGURE 1 (BACKGROUND ART)

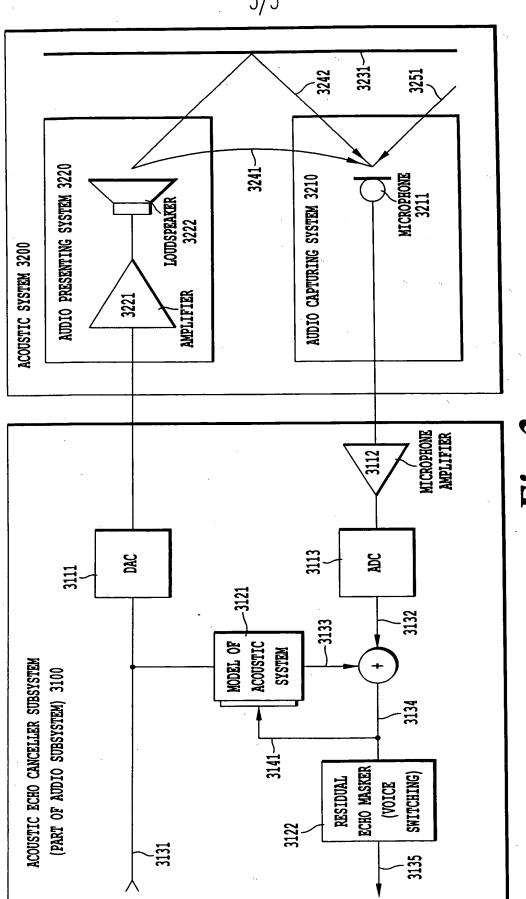
Inventor: Trygve Frederik MARTON, et al. Serial No: 10/724,043 Reply to OA dated: 10/11/05 Replacement Sheet 2/5 AUDIO PRESENTING AUDIO CAPTURING /IDEO PRESENTING VIDEO CAPTURING DEVICE/SYSTEM DEVICE/SYSTEM DEVICE/SYSTEM DEVICE/SYSTEM 2242 2221 2241 2211 SUBSYSTEM SUBSYSTEM AUDIO VIDEO 2230 2250 -2260 4 SIE CONTROL SYSTEM 2263 2262 2261 夏 TRANSMISSION 2200-CHANNEL 2300 2312 2311 CONTROL SYSTEM 2161 ğ 2163 2162 SITE A 2160 SUBSYSTEM SUBSYSTEM AUDIO VIDEO 2130 2150 AUDIO PRESENTING /IDEO PRESENTING AUDIO CAPTURING VIDEO CAPTURING DEVICE/SYSTEM DEVICE/SYSTEM DEVICE/SYSTEM DEVICE/SYSTEM 2142 2121 2111 2141

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BACKGROUND ART

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BACKGROUND ART

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ESTIMATE
(INVERTED)
4133 -4125SUBBAND MICROPHONE SIGNAL WITH ECHO AND NOISE 4132 MODEL OF ACOUSTIC SYSTEM SUBBAND MICROPHONE SIGNAL WITH RESIDUAL ECHO ANALYZE FILTER AND NOISE 4121-ACOUSTIC MODEL UPDATE LOOP 4141— 4122 PROCESSING SUBBAND MISC. PROCESSING INSIDE FOR ALL SUBBANDS BOX IS REPEATED SUBBAND AUDIO SIGNAL TO BE TRANSMI TTED 4135 AUDIO SIGNAL TO BE PRESENTED ON AUDIO DEVICE/SYSTEM PRESENTING 4131 FILTER 4127-SYNTHESIZE FAR END FAR END ខ្ព FROM

OBLON, SPIVAK, et al Docket No: 245449US2 Inventor: Trygve Frederik MARTON, et al. Serial No: 10/724,043 Reply to OA dated: 10/11/05 Replacement Sheet 5/5 MICROPHONE FROM ADC/ LOUDSPEAKER TO DAC/ 5142 5141 ANALYZE FILTER 5126 5152-LOWPASS SAMPLER FILTER DOM: SUBBAND ECHO (INVERTED) 5133 ESTIMATE SUBBAND MICROPHONE SIGNAL WITH ECHO AND MISC. INPUTS NOISE 5132 ACOUSTIC MODEL OF SYSTEM RESIDUAL ECHO ANALYZE FILTER SIGNAL WITH MICROPHONE SUBBAND AND NOISE 5134 5121-ACOUSTIC MODEL UPDATE LOOP-ALGORITHM CONTROL PROCESSING SUBBAND 닲 器 MISC. SUBBAND AUDIO SIGNAL TO BE TRANSMITTED 5138-BOX IS REPEATED FOR ALL SUBBANDS PROCESSING INSIDE SAMPLER DOWN-COMPENSATION SIGNAL 5135 SUBBAND AUDIO 5123 LOWPASS FILTER AUDIO SIGNAL TO BE PRESENTED ON AUDIO PRESENTING DEVICE/SYSTEM SYNTHESIZE FILTER 5127-SAMPLER LOWPASS FILTER 5131 늄 5153~ 5154 5139 FAR END FROM